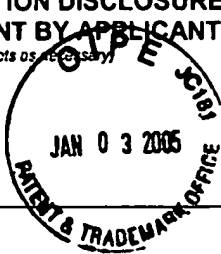


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**INFORMATION DISCLOSURE  
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|                      |                       |
|----------------------|-----------------------|
| Application Number   | 10/636,053            |
| Filing Date          | August 7, 2003        |
| First Named Inventor | Kucharczyk, Krzysztof |
| Group Art Unit       | 1645                  |
| Examiner Name        | Unknown               |

Sheet 1 of 2

Attorney Docket No: 1843.002US1

**US PATENT DOCUMENTS**

| Examiner Initial * | USP Document Number | Publication Date | Name of Patentee or Applicant of cited Document | Class | Subclass | Filing Date If Appropriate |
|--------------------|---------------------|------------------|---|-------|----------|----------------------------|
| JD                 | 2003/0077631        | 04/24/2003       | Kucharczyk                                      | 435   | 6        | 08/06/2002                 |
|                    | 4,683,195           | 07/28/1987       | Mullis et al.                                   | 435   | 6        | 02/07/1986                 |
|                    | 4,683,202           | 07/28/1987       | Mullis  | 435   | 91       | 10/25/1985                 |
|                    | 5,582,989           | 12/10/1996       | Caskey  | 435   | 6        | 09/30/1994                 |
|                    | 5,633,134           | 05/27/1997       | Shuber  | 435   | 6        | 09/19/1994                 |
|                    | 5,719,028           | 02/17/1998       | Dahlberg et al.                                 | 435   | 6        | 02/06/1997                 |
|                    | 5,858,659           | 01/12/1999       | Sapolsky et al.                                 | 435   | 6        | 11/29/1995                 |
|                    | 5,958,692           | 09/28/1999       | Cotton et al.                                   | 435   | 6        | 09/02/1997                 |
|                    | 6,287,822           | 09/11/2001       | Gjerde et al.                                   | 435   | 91.2     | 08/04/1998                 |

**FOREIGN PATENT DOCUMENTS**

| Examiner Initials * | Foreign Document No | Publication Date | Name of Patentee or Applicant of cited Document | Class | Subclass | T <sup>2</sup> |
|---------------------|---------------------|------------------|---|-------|----------|----------------|
| JD                  | WO 98/12355         | 03/26/1998       |   |       |          |                |
|                     | WO 98/14616         | 04/09/1998       |   |       |          |                |
|                     | WO 00/20853         | 04/13/2000       |   |       |          |                |
|                     | WO 00/50869         | 08/31/2000       |   |       |          |                |
|                     | WO 00/61805         | 10/19/2000       |   |       |          |                |

**OTHER DOCUMENTS -- NON PATENT LITERATURE DOCUMENTS**

| Examiner Initials * | Cite No <sup>1</sup> | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T <sup>2</sup> |
|---------------------|----------------------|---|----------------|
| JD                  |                      | "DNA Folding Form",<br><a href="http://web.archive.org/web/20020601154202/bioinfo.math.rpi.edu/~mfold/dnal/">http://web.archive.org/web/20020601154202/bioinfo.math.rpi.edu/~mfold/dnal/</a><br>(Archived June 1, 2002), 3 pages.                               |                |
|                     |                      | "PCT International Search Report from International Application No. PCT/PL 01/00012", 4 pgs. (2001).  |                |
|                     |                      | ABRAMS et al., "Comprehensive detection of single base changes in human genomic DNA using denaturing gradient gel electrophoresis and a GC clamp", <i>Genomics</i> , 7, 463-75 (1990).  |                |
|                     |                      | BARANY, "Genetic disease detection and DNA amplification using cloned thermostable ligase", <i>PNAS</i> , 88, 189-193 (1991).   |                |
|                     |                      | CHEN, "High resolution SSCP by optimization of the temperature by transverse TGGE", <i>Nucleic Acids Research</i> , 23, 4524-25 (1995).   |                |
|                     |                      | COLLINS et al., "Genetic epidemiology of single-nucleotide polymorphisms", <i>PNAS</i> , 96, 15173-15177 (1999).  |                |
|                     |                      | GLAVAC et al., "Optimization of the single-strand conformation polymorphism (SSCP) technique for detection of point mutations", <i>Human Mutation</i> , 2, 404-414 (1993).  |                |

EXAMINER

J. Goldberg

DATE CONSIDERED

7/8/05

\* EXAMINER: Initial of reference considered, whether or not citation is in accordance with MPEP 609. Draw line through citation if not in accordance and not considered. (Include copy of this form with next communication to applicant.) Applicant's unique citation designation number (optional) Applicant is to place a check mark here if English language translation is attached.

|  |   |                          |  |                    |            |             |                |                      |                       |                |      |               |         |
|--|---|--------------------------|--|--------------------|------------|-------------|----------------|----------------------|-----------------------|----------------|------|---------------|---------|
| Substitute for form 1449A/PTO<br><b>INFORMATION DISCLOSURE<br/>STATEMENT BY APPLICANT</b><br>(Use as many sheets as necessary) | <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="2" style="text-align: center;"><i>Complete if Known</i></td> </tr> <tr> <td style="width: 50%;">Application Number</td> <td>10/636,053</td> </tr> <tr> <td>Filing Date</td> <td>August 7, 2003</td> </tr> <tr> <td>First Named Inventor</td> <td>Kucharczyk, Krzysztof</td> </tr> <tr> <td>Group Art Unit</td> <td>1645</td> </tr> <tr> <td>Examiner Name</td> <td>Unknown</td> </tr> </table> | <i>Complete if Known</i> |  | Application Number | 10/636,053 | Filing Date | August 7, 2003 | First Named Inventor | Kucharczyk, Krzysztof | Group Art Unit | 1645 | Examiner Name | Unknown |
| <i>Complete if Known</i>   |   |                          |  |                    |            |             |                |                      |                       |                |      |               |         |
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| Filing Date  | August 7, 2003  |                          |  |                    |            |             |                |                      |                       |                |      |               |         |
| First Named Inventor   | Kucharczyk, Krzysztof   |                          |  |                    |            |             |                |                      |                       |                |      |               |         |
| Group Art Unit   | 1645  |                          |  |                    |            |             |                |                      |                       |                |      |               |         |
| Examiner Name  | Unknown   |                          |  |                    |            |             |                |                      |                       |                |      |               |         |
| Sheet 2 of 2   | Attorney Docket No: 1843.002US1   |                          |  |                    |            |             |                |                      |                       |                |      |               |         |

|    |  |   |  |
|----|--|---|--|
| JP |  | GRACE et al., "Transverse temperature-gradient single-strand conformation polymorphism analysis for temperature optimization of Cold-SSCP mutation detection", <u>Nucleic Acids Research</u> , 23, 4224-4226 (1995).  |  |
| ↓  |  | GUATELLI, "Isothermal, in vitro amplification of nucleic acids by a multienzyme reaction modeled after retroviral replication", <u>PNAS</u> , 87, 1874-1878 (1990).   |  |
| ↓  |  | HAYASHI et al., "How sensitive is PCR-SSCP?", <u>Human Mutation</u> , 2, 338-346 (1993).  |  |
| ↓  |  | HUUSKO et al., "Germ-Line TP53 Mutations in Finnish Cancer Families Exhibiting Features of the Li-Fraumeni Syndrome and Negative for BRCA1 and BRCA2", <u>Cancer Genetics and Cytogenetics</u> , 112, 9-14 (1999).  |  |
| ↓  |  | KIYAMA et al., "High-throughput asymmetric-PCR SSCP analysis using well-controlled temperature conditions", <u>BioTechniques</u> , 21, 710-716 (1996).  |  |
| ↓  |  | LERMAN et al., "Computational simulation of DNA melting and its application to denaturing gradient gel electrophoresis", <u>Methods in Enzymology</u> , 155, 482-501 (1987).  |  |
| ↓  |  | LIU et al., "Parameters Affecting the Sensitivities of Dideoxy Fingerprinting and SSCP", <u>PCR Methods and Applications</u> , 4, 97-108 (1994).  |  |
| ↓  |  | ORITA et al., "Rapid and sensitive detection of point mutations and DNA polymorphisms using the polymerase chain reaction", <u>Genomics</u> , 5, 874-879 (1989).  |  |
| ↓  |  | ROSS et al., "Discrimination of single-nucleotide polymorphisms in human DNA using peptide nucleic acid probes detected by MALDI-TOF mass spectrometry", <u>Analytical Chemistry</u> , 69, 4197-4202 (1997).  |  |
| ↓  |  | RUBBEN et al., "Evaluation of non-radioactive temperature gradient SSCP analysis and of temperature gradient gel electrophoresis for the detection of HpV 6-variants in condylomata acuminata and Buschke-Loewenstein tumours", <u>European Journal of Epidemiology</u> , 11, 501-506 (1995). |  |
| ↓  |  | SANTALUCIA JR., "A unified view of polymer, dumbbell, and oligonucleotide DNA nearest-neighbor thermodynamics", <u>PNAS</u> , 95, 1460-1465 (1998).   |  |
| ↓  |  | SHEFFIELD, "Attachment of a 40-base-pair G + C-rich sequence (GC-clamp) to genomic DNA fragments by the polymerase chain reaction results in improved detection of single-base changes", <u>PNAS</u> , 86, 232-236 (1989).  |  |
| ↓  |  | SUGANO et al., "Detection of K-ras and p53-mutations by temperature gradient single-strand conformation polymorphism (TG-SSCP) analysis", <u>Proceedings of the American Association for Cancer Research Annual Meeting</u> , 37, 598, Abstract 4106, (1996).                                 |  |
| ↓  |  | URDEA et al., "A novel method for the rapid detection of specific nucleotide sequences in crude biological samples without blotting or radioactivity; application to the analysis of hepatitis B virus in human serum", <u>Gene</u> , 61, 253-264 (1987).                                     |  |
| ↓  |  | WARTELL et al., "Detecting base pair substitutions in DNA fragments by temperature-gradient gel electrophoresis", <u>Nucleic Acids Research</u> , 18, 2699-705 (1990).  |  |

EXAMINER

*J. Hoedberg*

DATE CONSIDERED

7/8/05